

IN THE CLAIMS

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1. (Original) A method, comprising:
coupling a plurality of receivers to a first frequency reference to communicate with a first station over a corresponding plurality of signal paths; and
selectively coupling one of the plurality of receivers to a second frequency reference to communicate with a second station over a signal path not included in the plurality of signal paths.
2. (Original) The method of claim 1, further comprising:
determining whether a quality of service provided by the second station is greater than a quality of service provided by the first station.
3. (Previously Presented) The method of claim 2, wherein the quality of service provided by the first station includes at least one of a network type, a network capability, a network activity level, a signal strength, a bandwidth, a signal-to-noise ratio, a signal-to-interference ratio, a multipath condition, a service provider, a monetary cost, user-preferred information, and a user-preferred service.
4. (Original) The method of claim 1, further comprising:
adjusting the first frequency reference to provide a reference frequency substantially equal to a reference frequency provided by the second frequency reference.

5. (Original) The method of claim 1, further comprising:
handing off communications between the first station and the plurality of receivers from the first station to the second station after determining that a quality of service provided by the second station is greater than a quality of service provided by the first station.
6. (Original) The method of claim 1, further comprising:
selectively coupling another one of the plurality of receivers to a third frequency reference to communicate with a third station over another signal path not included in the plurality of signal paths.
7. (Original) The method of claim 1, further comprising:
adjusting the second frequency reference to provide a new reference frequency; and
communicating with a new station using a new signal path not included in the plurality of signal paths.
8. (Original) An article comprising a machine-accessible medium having associated data, wherein the data, when accessed, results in a machine performing:
coupling a plurality of receivers to a first frequency reference to communicate with a first station over a corresponding plurality of signal paths; and
selectively coupling one of the plurality of receivers to a second frequency reference to communicate with a second station over a signal path not included in the plurality of signal paths.
9. (Original) The article of claim 8, wherein the plurality of receivers are configured to operate as a multiple-input, multiple-output system, and wherein selectively coupling one of the plurality of receivers to the second frequency reference further comprises:
decoupling the one of the plurality of receivers from operating as a part of the multiple-input, multiple-output system; and
coupling the one of the plurality of receivers to operate as a receiver independent from the multiple-input, multiple-output system.

10. (Original) The article of claim 8, wherein the data, when accessed, results in the machine performing:

selecting a second reference frequency to be provided by the second frequency reference based on one of an arbitrary scan process, a list of frequencies, and a location of the plurality of receivers.

11. (Original) The article of claim 8, wherein a first reference frequency to be provided by the first frequency reference is selected in accordance with a channel designated by one of an Institute of Electrical and Electronics Engineers (IEEE) 802.11 standard or an IEEE 802.16 standard.

12. (Original) The article of claim 8, wherein a selected one of the plurality of receivers is included in a transceiver.

13. (Original) An apparatus, comprising:

a plurality of receivers to couple to a first frequency reference and to communicate with a first station using a plurality of signal paths, wherein at least one of the plurality of receivers can be selectively coupled to the first frequency reference or to a second frequency reference to communicate with a second station using a signal path not included in the plurality of signal paths.

14. (Original) The apparatus of claim 13, wherein the plurality of signal paths comprise a portion of a multiple-input, multiple-output communication system.

15. (Original) The apparatus of claim 13, wherein the first frequency reference comprises a first frequency synthesizer, and wherein the second frequency reference comprises a second frequency synthesizer.

16. (Original) The apparatus of claim 13, further comprising:
a determination module to determine whether a quality of service provided by the second station is greater than a quality of service provided by the first station.
17. (Previously Presented) The apparatus of claim 16, wherein the quality of service provided by the first station includes at least one of a network type, a network capability, a network activity level, a signal strength, a bandwidth, a signal-to-noise ratio, a signal-to-interference ratio, a multipath condition, a service provider, a monetary cost, user-preferred information, and a user-preferred service.
18. (Original) The apparatus of claim 13, further comprising:
a third frequency reference, wherein at least another one of the plurality of receivers can be selectively coupled to the first frequency reference or the third frequency reference to communicate with a third station using another signal path not included in the plurality of signal paths.
19. (Original) The apparatus of claim 13, wherein the plurality of signal paths comprise a portion of a multiple-input, multiple-output communication system, and wherein the signal path is a search signal path, further comprising:
a third frequency reference, wherein at least another one of the plurality of receivers can be selectively coupled to the first frequency reference or the third frequency reference to communicate with a third station using a second search signal path not included in the plurality of signal paths.

20. (Original) A system, comprising:

a plurality of receivers to couple to a first frequency reference and to communicate with a first station using a plurality of signal paths, wherein at least one of the plurality of receivers can be selectively coupled to the first frequency reference or to a second frequency reference to communicate with a second station using a signal path not included in the plurality of signal paths;

a processor to couple to the plurality of receivers; and

a display to couple to the processor.

21. (Original) The system of claim 20, further comprising:

a transceiver including a selected one of the plurality of receivers.

22. (Original) The system of claim 20, further comprising:

a third frequency reference, wherein at least another one of the plurality of receivers can be selectively coupled to the first frequency reference or to the third frequency reference to communicate with a third station using another signal path not included in the plurality of signal paths.

23. (Original) The system of claim 20, further comprising:

a one-to-one corresponding plurality of antennas to couple to the plurality of receivers.